

# Work Order ID 88575

**\*88575\***

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August-02-12 1:04:02 PM

Item ID: D3966-4-750 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Pin, Dowel  
 Start Date: 8/02/12 Start Qty: 20.00 <sup>100</sup>  
 Required Date: 8/10/12 Req'd Qty: 20.00 ~~\*20\*~~  
 Reference: ~~\*20\*~~ Cust Item ID:  
 Customer:

Approvals: Process Plan: *[Signature]* Date: 12-08-3 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_  
 Run Start **\*NR1\***  
 Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3966	A

100 0.00

**\*100\*** CL 12/08/09 100

Purchasing Memo 0.00

Purchasing PURCHASING  
 Issue P/O: 17643  
 Purchase Part Number: 238-805  
 Possible Supplier: Spaenaur  
 Material release note is required

110 Receive & Inspect for Damage & Mat'l Certs 0.00

**\*110\*** 100X SP

Packaging Memo 0.00

Packaging 12-8-22

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
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Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	

# Work Order ID 88575

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August-02-12 1:04:02 PM

Item ID: D3966-4-750 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Pin, Dowel  
 Start Date: 8/02/12 Start Qty: 20.00 **\*20\*** Cust Item ID:  
 Required Date: 8/10/12 Req'd Qty: 20.00 **\*20\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 0.00		DAS 16 9-85 17/08/24		(100) 25019			
130 <b>*130*</b> Packaging Packaging	Identify as per dwg & Stock Location: <u>WA</u>  Memo	0.00 0.00				(100)	8	12/8/27	
140 <b>*140*</b> QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00 0.00				CK	12/8/27		MF 12-08-27

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

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Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
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# Picklist Print

August-02-12 1:04:01 PM

Page 1

Work Order ID: 88575

Parent Item: D3966-4-750

Parent Item Name: Pin, Dowel

Start Date: 8/02/12

Required Date: 8/10/12

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
238-805 SS DOWEL PIN 3/4" LONG		Purchased	No			110	Each	100.0000	1	20 / 008		8-12-8-22	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST399		100							
				119003		100							

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

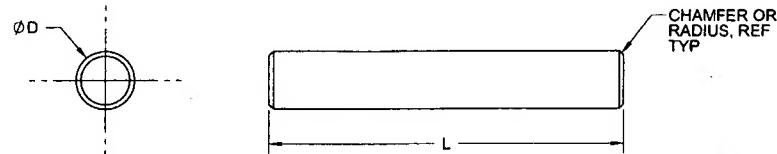
DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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# SPECIFICATION CONTROL DRAWING



88575

## D3966-X-YYY PIN, DOWEL

WHERE 'X' IS DIAMETER IN 1/32"  
AND 'YYY' IS LENGTH IN THOUSANDS OF AN INCH  
EG. Ø 1/4" (8/32") x 1" LONG PIN = D3966-8-1000

DART P/N	SUPPLIER	SUPPLIER P/N	D ±0.0001	L ±0.010
D3966-4-750	SPAENAUER	238-805	0.125	0.75

**RELEASED**  
09/06/25 NTP

### NOTES:

- 1) MATERIAL: 18-8 STAINLESS STEEL
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

A	NEW ISSUE	RF	09.07.09
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RF	D3966	SHEET 1 OF 1
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	PIN, DOWEL	NTS
DATE	09.07.09	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO17645

Purchase Order Date 8/09/12

PO Print Date 8/13/12

Page Number 1 of 2

Order From :

VC-HAS001

HASKINS INDUSTRIAL  
5-52 ANTARES DRIVE  
NEPEAN, ON K2E 7Z1  
CA

Contact Name  
Vendor Phone 613 723 8800  
Vendor Fax 613 723 8806  
Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

RECEIVED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	238-805	SS DOWEL PIN 3/4" LONG	8/14/12 Yes	100.00 Each	Dicom	\$0.1500	\$15.00
			Special Inst: AS PER DWG D3966 REV. A B88575				
2	D3672-3P	WASHER	8/14/12 Yes	✓ 500.00 Each	Dicom	\$0.3229	\$161.45
			Special Inst: AS PER DWG D3672 REV. C B88441				
3	D3672-7P	WASHER	8/14/12 Yes	✓ 500.00 Each	Dicom	\$0.3200	\$160.00
			Special Inst: AS PER DWG D3672 REV. C B88501				

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO

Nbr: 3

Change Date: 8/13/12



HASKINS INDUSTRIAL INC.  
5-52 ANTARES DRIVE

\*\*\* B A C K O R D E R \*\*\*

Order # 1245671.02

NEPEAN, ONTARIO K2E 7Z1  
TEL (613)723-8800 FAX (613)723-8806

Order Date 08/10/12

Page 1 of 1

Sold To: DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY  
ON  
K6A 1K7

Ship To: DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY  
ON  
K6A 1K7

Cust Phone # (613)632-5200	Warehouse OTTAWA	F.O.B. DEST	Taken By Sylvie 613-723-880
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Cust #	Customer P/O #	Required	Orig Order	Slsm	Ship Via	Terms
05168	17645	08/11/12	1245671.02	PL	DICOM	NET 30

Ln#	Bin #	Order UM	Ship	B/O Product	Description
6		100 C	100 ✓	SP1X100	238-805 DOWEL PIN

DAS  
16  
8-8

17/08/12

SP12-8-22

PLEASE NOTE:

1. NO RETURNS WITHOUT PRIOR AUTHORIZATION
2. ALL SHORTAGE CLAIMS MUST BE WITHIN 10 DAYS
3. BO CODE: BO = QTY NOT SHIPPED IS BACK-ORDERED  
CL= QTY NOT SHIPPED WAS CANCELLED  
SC= ITEM CONSIDERED COMPLETE - NO B/O CREATED

FILL PACK DATE 08 /21 /12  
Printed on 2012-08-21 at 9:27